

**Rubric for Big Data:**

Criteria	Demonstrating Proficiency 40 to > 37 points	Approaching Proficiency 36 to > 32 points	Developing Proficiency 31 to > 28 points	Emerging 27 to > 0 points	Incomplete 0 points	Pts
<b>Deliverable 1: Perform ETL on Amazon Product Reviews</b>	<ul style="list-style-type: none"> <li>✓An Amazon Review dataset is extracted as a DataFrame.</li> <li>✓The extracted dataset is transformed into four DataFrames with the correct columns.</li> <li>✓ALL FOUR DataFrames are loaded into their respective tables in pgAdmin.</li> </ul>	<ul style="list-style-type: none"> <li>✓An Amazon Review dataset is extracted as a DataFrame.</li> <li>✓The extracted dataset is transformed into four DataFrames with the correct columns, AND ONE df has incorrect column names.</li> <li>✓THREE of the FOUR DataFrames are loaded into pgAdmin tables.</li> </ul>	<ul style="list-style-type: none"> <li>✓An Amazon Review dataset is extracted as a DataFrame.</li> <li>✓The extracted dataset is transformed into four DataFrames, but the products df has duplicate rows, OR ONE or more dfs has incorrect column names.</li> <li>✓TWO of the FOUR DataFrames are loaded into pgAdmin tables.</li> </ul>	<ul style="list-style-type: none"> <li>✓An Amazon Review dataset is extracted as a DataFrame.</li> <li>✓The extracted dataset is transformed into four DataFrames, but the products df has duplicate rows, AND ONE or more dfs has incorrect column names.</li> <li>✓TWO of the FOUR DataFrames are loaded into pgAdmin tables.</li> </ul>		40.0
	Demonstrating Proficiency 40 to > 36 points	Approaching Proficiency 36 to > 34 points	Developing Proficiency 34 to > 31 points	Emerging 31 to > 0 points		
<b>Deliverable 2: Determine Bias of Vine Reviews</b>	<ul style="list-style-type: none"> <li>✓There is a DataFrame or table for the vine_table data.</li> <li>✓The data is filtered to create a DataFrame or table where there are 20 or more total votes.</li> <li>✓The data is filtered to create a DataFrame or table where the percentage of helpful_votes is equal to or greater than 50%.</li> <li>✓The data is filtered to create a DataFrame or table where there is a Vine review.</li> <li>✓The data is filtered to create a DataFrame or table where there isn't a Vine review.</li> </ul>	<ul style="list-style-type: none"> <li>✓There is a DataFrame or table for the vine_table data.</li> <li>✓The data is filtered to create a DataFrame or table where there are 20 or more total votes.</li> <li>✓The data is filtered to create a DataFrame or table where the percentage of helpful_votes is equal to or greater than 50%.</li> <li>✓The data is filtered to create a DataFrame or table where there is a Vine review.</li> <li>✓The data is filtered to create a DataFrame or table where there isn't a Vine review.</li> <li>✓The total number of votes and</li> </ul>	<ul style="list-style-type: none"> <li>✓There is a DataFrame or table for the vine_table data.</li> <li>✓The data is filtered to create a DataFrame or table where there are 20 or more total votes.</li> <li>✓The data is filtered to create a DataFrame or table where the percentage of helpful_votes is equal to or greater than 50%.</li> <li>✓The data is filtered to create a DataFrame or table where there is a Vine review.</li> <li>✓The data is filtered to create a DataFrame or table where there isn't a Vine review.</li> <li>✓The total number of votes AND</li> </ul>	<ul style="list-style-type: none"> <li>✓There is a DataFrame or table for the vine_table data.</li> <li>✓The data is filtered to create a DataFrame or table where there are 20 or more total votes.</li> <li>✓The data is filtered to create a DataFrame or table where the percentage of helpful_votes is equal to or greater than 50%.</li> <li>✓The data is filtered to create a DataFrame or table where there is a Vine review.</li> <li>✓The data is filtered to create a DataFrame or table where there isn't a Vine review.</li> </ul>		40.0

	✓The total number of votes, the number of 5 star reviews, and the percentage of 5 star reviews are calculated.	the number of 5 star reviews are calculated, but there is an error calculating the percentage of 5 star reviews.	the number of 5 star reviews are calculated.	✓Either the total number of votes OR the number of 5 star reviews are calculated.		
	<b>Demonstrating Proficiency 6 points to &gt; 5 points</b>	<b>Approaching Proficiency 5 to &gt; 4 points</b>	<b>Developing Proficiency 4 to &gt; 3 points</b>	<b>Emerging 3 to &gt; 0 points</b>		
<b>Deliverable 3: Structure, Organization, and Formatting</b>	<p>The written analysis has ALL of the following:</p> <ul style="list-style-type: none"> <li>✓There is a title, and there are multiple sections.</li> <li>✓Each section has a heading and subheading.</li> <li>✓There are images and references to code, and they are formatted and displayed correctly.</li> </ul>	<p>The written analysis has ALL of the following:</p> <ul style="list-style-type: none"> <li>✓There is a title, and there are multiple sections.</li> <li>✓Each section has a heading and subheading.</li> <li>✓There are images and references to code, and they are formatted and displayed correctly with one or two minor errors.</li> </ul>	<p>The written analysis has ALL of the following:</p> <ul style="list-style-type: none"> <li>✓There is a title, and there are multiple sections.</li> </ul> <p>AND ONE of the following:</p> <ul style="list-style-type: none"> <li>✓Each section may have a heading and subheading.</li> <li>✓There are images and references to code, and they are formatted and displayed correctly with one or two minor errors.</li> </ul>	<p>The written analysis has ALL of the following:</p> <ul style="list-style-type: none"> <li>✓There is a title.</li> <li>✓There may be a subheading for a section.</li> <li>✓There are no headings for each section, but there are three sections.</li> </ul>		6.0
	<b>Demonstrating Proficiency 14 to &gt; 12 points</b>	<b>Approaching Proficiency 12 to &gt; 10 points</b>	<b>Developing Proficiency 10 to &gt; 8 points</b>	<b>Emerging 8 to &gt; 0 points</b>		
<b>Deliverable 3: Analysis</b>	<ul style="list-style-type: none"> <li>✓The purpose is well defined.</li> <li>✓ALL THREE questions are addressed in the results.</li> <li>✓The summary states whether or not there is bias and is supported by the results and there is a supporting additional recommendation.</li> </ul>	<ul style="list-style-type: none"> <li>✓The purpose is well defined .</li> <li>✓ALL THREE questions are addressed in the results but there is a misinterpretation.</li> <li>✓The summary states whether or not there is bias and is supported by the results but the additional recommendation doesn't support the statement.</li> </ul>	<ul style="list-style-type: none"> <li>✓The purpose is well defined .</li> <li>✓TWO of the THREE questions are addressed in the results.</li> <li>✓The summary states whether or not there is bias and is supported by the results but there is no additional recommendation.</li> </ul>	<ul style="list-style-type: none"> <li>✓The purpose is well defined .</li> <li>✓ONE of the THREE questions is addressed in the results.</li> <li>✓The summary states whether or not there is bias but it is not supported by the results.</li> </ul>		14.0